

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/051984

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04B7/005 H04Q7/36

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H04B H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 094 585 A (JIANG FRANCES ET AL) 25 July 2000 (2000-07-25) column 3, line 14 - column 5, line 39 figures 3,4 ----- EP 1 280 285 A (LUCENT TECHNOLOGIES INC) 29 January 2003 (2003-01-29) column 6, line 45 - column 7, line 48 figures 1,2 ----- US 6 577 880 B1 (KUROKAWA TOSHIAKI ET AL) 10 June 2003 (2003-06-10) figures 2a,2b column 9, line 10 - column 14 ----- -/-	1,2,12, 13
Y		1,3-7,9, 13,14,16
Y		1,3-7,9, 13,14,16

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

Date of mailing of the International search report

18 January 2005

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INTERNATIONAL SEARCH REPORTInternational Application No
PCT/EP2004/051984**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 03/096571 A (ERICSSON TELEFON AB L M) 20 November 2003 (2003-11-20) abstract; figures 3,7 page 4, line 6 – page 6, line 20 page 12, line 21 – line 29 -----	1,3-7,9, 13,14,16

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/051984

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 6094585	A 25-07-2000	NONE		
EP 1280285	A 29-01-2003	US 2003022693 A1	EP 1280285 A1	30-01-2003 29-01-2003
US 6577880	B1 10-06-2003	JP 2001036949 A		09-02-2001
WO 03096571	A 20-11-2003	WO 03096571 A1	US 2003210660 A1	20-11-2003 13-11-2003